

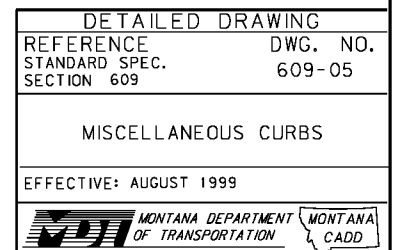


**ALL DIMENSIONS ARE MILLIMETERS
(mm) UNLESS OTHERWISE NOTED.**

DETAILED DRAWING	
REFERENCE	DWG. NO.
STANDARD SPEC.	609-00
SECTION 609	

CONCRETE VALLEY
GUTTER

EFFECTIVE: AUGUST 1999



TYPE "A" - MAT IN PLACE

TYPE "B" - FUTURE MAT

CONSTRUCTION:

CURBS MAY BE CONSTRUCTED USING ANY OF THE FOLLOWING THREE METHODS:

- (1) PRECAST
(2) CAST IN PLACE
(3) CONSTRUCTED BY THE USE OF AN APPROVED CURB FORMING OR SLIP FORM MACHINE.

WHEN USING EITHER METHOD (2) OR (3), REINFORCING STEEL IS NOT REQUIRED, WITH THE EXCEPTION OF THE PINS, AND THE CURBS ARE SCORED OR SAWN TO A DEPTH OF 13 mm TO FORM CONTRACTION JOINTS AT INTERVALS OF 3000 mm OR LESS.



FORM PRECAST CURBS IN THEIR INVERTED POSITION, IN LENGTHS NOT LESS THAN 1220 mm, OR MORE THAN 3050 mm.

MATERIAL:

CONSTRUCT CURBS OF CLASS "D" CONCRETE, OR AN APPROVED EQUIVALENT MIX.

EPOXY BINDER FOR GROUTING MUST MEET THE REQUIREMENTS OF AASHTO M 235 (ASTM C 881).

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(mm) UNLESS OTHERWISE NOTED.**

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 609	DWG. NO. 609-10
MEDIAN CONCRETE CURBS	
EFFECTIVE: AUGUST 1999	
 MONTANA DEPARTMENT OF TRANSPORTATION	
 MONTANA CADD	

PLAN

STEEL WING

SEE DTL. DWG. NO. 611-05 FOR
STEEL WING CONNECTION DETAIL.

2 ~ 3000 SECTIONS	=	6 050
2 ~ 3600 SECTIONS	=	7 250
3 ~ 3000 SECTIONS	=	9 050
3 ~ 3600 SECTIONS	=	10 850

— SEE SUMMARY SHEET FOR SIZE

SECTION A-A


150 SQUARE HOLE THROUGH ALL
INTERMEDIATE BEARING WALLS
AS DIRECTED BY THE ENGINEER-

SECTION B-B

MAX. FOOTING PRESS = 105 kPa

NOTE:
SEE DTL. DWG. NO. 611-05 FOR CAST-IN-
PLACE CATTLE GUARD DETAILS AND BILL OF
REINFORCING STEEL.

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(mm) UNLESS OTHERWISE NOTED.**

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 611	DWG. NO. 611-00
CAST-IN-PLACE CATTLE GUARD	
EFFECTIVE: AUGUST 1999	
	MONTANA DEPARTMENT OF TRANSPORTATION
	MONTANA CADD